

Claim 1. (Original) A seat track assembly comprising:

an upper track comprised of an elongated inverted channel member having a pair of downwardly extending side walls and a top wall connecting said side walls;

a lower track comprised of an elongated channel member having upwardly extending side walls and a bottom wall connecting said side walls, said upper track received between said side walls of said lower track;

an elongated threaded spindle mounted to said lower track bottom wall extending along and between said side walls of said upper and lower tracks;

a gear nut threaded on said spindle, said gear nut rotatably carried in a gear case, said gear nut and said gear case driving said upper track upon rotation of said gear nut on said spindle by a bracket capturing said gear case and affixed to said top wall of said upper track, said bracket having a pair of legs spaced apart in the lengthwise direction of said upper track and connected together by a connecting portion, said gear case disposed between said bracket legs to be captured therein; and

said bracket and at least one of said side walls of said upper track having interfit portions configured to resist relative lengthwise movement therebetween, thereby enhancing the ability of said bracket to withstand forces imposed thereon by said gear nut and gear casing.

Claim 2. (Original) The assembly according to claim 1 wherein said bracket legs are each attached to said upper track top wall at an upper end thereof, and wherein said interfit

portions include at least one protrusion on said bracket connecting portion located at the bottom of said bracket and a complementary recess in at least one of said side walls of said upper track receiving said protrusion to be interfit therewith.

Claim 3. (Original) The assembly according to claim 2 wherein said upper track side walls have a bottom edge and said recess is formed therein.

Claim 4. (Original) The assembly according to claim 1 wherein said interfit portions are configured to be mated together when said upper track is placed over said bracket.

Claim 5. (Original) The assembly according to claim 1 wherein said interfit portions comprise a protrusion projecting laterally from each side of said bracket connecting portion and a recess in each side wall of said upper track receiving a respective protrusion.

Claim 6. (Original) The assembly according to claim 5 wherein each upper track has a rolled bottom edge and each recess extends horizontally into a respective rolled bottom edge to receive a respective protrusion as said upper track is placed over said bracket.

Claim 7. (Original) The assembly according to claim 2 wherein said at least one protrusion comprises at least one tab integral with said connecting portion of said bracket and a complementary notch at the bottom of at least one of said side walls of said upper track, said tab fit into said notch.

Claim 8. (Original) The assembly according to claim 5 wherein each of said protrusions comprises a tab projecting from a respective side of said connecting portion of said bracket, and wherein each side wall of said upper track has a notch receiving a respective tab therein.

Claim 9. (Original) The assembly according to claim 1 wherein said spindle has an integral flattened end attached to said connecting bottom wall of said lower track by one or more fasteners passing therethrough.

Claim 10. (Original) The assembly according to claim 9 wherein said flattened end of said spindle is offset to align a longitudinal axis of said spindle spaced above said bottom wall of said lower track.

Claim 11. (Cancelled)

Claim 12. (Cancelled)

Claim 13. (Original) A method of making a seat track assembly of the type including an upper track comprised of an elongated inverted channel member having a pair of downwardly extending side walls and a top wall connecting said side walls;
a lower track comprised of an elongated channel member having upwardly

extending side walls and a bottom wall connecting said side walls, said upper track received between said side walls of said lower track;

an elongated threaded spindle mounted to said lower track bottom wall extending along and between said side walls;

a gear nut threaded on said spindle, said gear nut rotatably carried in a gear case, said gear nut and gear case driving said upper track lengthwise upon rotation of said gear nut on said spindle by a bracket having a pair of legs spaced apart in the lengthwise direction of said upper track, said bracket legs connected together by a connecting portion, said gear case disposed between said bracket legs, and said bracket affixed to said top wall of said upper track, and

including the steps of:

forming said upper track side walls and said bracket with respective complementary features and interfitting said features upon installation of said upper track onto said bracket so as to restrain movement of said bracket relative said upper track side walls, thereby enhancing the ability of said bracket to withstand lengthwise directed forces imposed by said gear nut and gear case.

Claim 14. (Original) The method according to claim 13 wherein said step of forming interfit portions include the step of forming at least one projecting tab on said bracket connecting portion and a complementary recess in an upper track side wall.

Claim 15. (Original) The method according to claim 13 wherein said step of forming interfit portions comprises the step of forming a tab on each side of said bracket

connecting portion projecting towards a respective side wall of said upper channel; and, forming a recess in the bottom of each side wall thereof located and configured to receive and be interfit to a respective tab when said upper track is installed over said bracket.

Claims 16. - 18. (Cancelled).

Claim 19. (Original) A method of manufacturing a seat track assembly including the steps of:

mounting a threaded spindle to extend along and within a channel shaped lower track;

forming a channel shaped upper track with a pair of side walls having a recess extending into a bottom edge of said side walls;

installing a gear nut onto said spindle threads;

enclosing said nut in a gear case having openings allowing said spindle to pass through said gear case while confining said gear nut therein;

forming a bracket having a pair of legs which straddle said gear case to capture the same while having openings allowing said spindle to pass therethrough, with said legs connected together at one end with a connecting portion;

forming said bracket and said upper track side walls with portions interfit with each other upon placing said upper track over said bracket and gear case; and

fastening said bracket to said upper track top wall by installing fasteners through said upper track top wall and said bracket.

Claim 20. (Original) The method according to claim 19 wherein said bracket is installed with said connecting portion at the bottom thereof and free ends of said legs at the top and wherein said free ends are formed with flanges which are fastened to said upper track top wall in said fastening step.

Claim 21. (Original) The method according to claim 20 wherein a pair of oppositely projecting tabs are formed in said bracket connecting portion comprising some of said interfit portions and wherein said upper track side walls are formed with corresponding notches at the bottom thereof into which said tabs are received when said upper track is installed over said bracket and gear case.